

Title (en)
LITHIUM MANGANESE PHOSPHATE NANOPARTICLES AND METHOD FOR MANUFACTURING SAME, CARBON-COATED LITHIUM MANGANESE PHOSPHATE NANOPARTICLES, CARBON-COATED LITHIUM MANGANESE PHOSPHATE NANOPARTICLE GRANULATED BODY, AND LITHIUM ION CELL

Title (de)
LITHIUMMANGANPHOSPHATNANOPARTIKEL UND VERFAHREN ZUR HERSTELLUNG DAVON, KOHLENSTOFFBESCHICHTETE LITHIUMMANGANPHOSPHATNANOPARTIKEL, GRANULATFÖRMIGER KÖRPER AUS KOHLENSTOFFBESCHICHTETEN LITHIUMMANGANPHOSPHATNANOPARTIKEN UND LITHIUM-IONEN-ZELLE

Title (fr)
NANOPARTICULES DE PHOSPHATE DE LITHIUM MANGANÈSE ET PROCÉDÉ POUR LES FABRIQUER, NANOPARTICULES DE PHOSPHATE DE LITHIUM MANGANÈSE ENROBÉES DE CARBONE, CORPS GRANULÉ EN NANOPARTICULES DE PHOSPHATE DE LITHIUM MANGANÈSE ENROBÉES DE CARBONE, ET PILE À IONS LITHIUM

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Application
EP 16772447 A 20160322

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Abstract (en)
[origin: US2017352879A1] The present invention makes a lithium ion secondary cell exhibit high capacity when lithium manganese phosphate is used as the active material of the lithium ion secondary cell. The present invention is directed to lithium manganese phosphate nanoparticles having a ratio I20/I29 of the peak intensity at 20° to the peak intensity at 29° obtained by X-ray diffraction of greater than or equal to 0.88 and less than or equal to 1.05, and a crystallite size determined by X-ray diffraction of greater than or equal to 10 nm and less than or equal to 50 nm.

IPC 8 full level
C01B 25/45 (2006.01); **H01M 4/36** (2006.01); **H01M 4/58** (2010.01)

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